

CLAIMS:

In response to the Official Action mailed April 4, 2007, please amend the claims as follows:

1. (Currently Amended) In a communication network with user access via a plurality of data processor controlled interactive display terminals for sending and receiving broadcasting packets, an electronic document distribution system for routing broadcasting packets from a sending server to a receiving server comprising:

means for temporarily storing a broadcasting payload inside a

broadcasting router as a coded header by temporarily coding a the
broadcasting payload to a set of symbols;

means for temporarily stripping the broadcasting payload from the
broadcasting packet;

means for temporarily replacing the stripped broadcasting packet payload
with a set of coded symbols in the broadcasting packet;

means for adding the coded symbols to a header of the broadcasting
packet;

means for transmitting the coded header ~~and a coded payload~~ of the
broadcasting packet to the receiving server via the broadcasting router;

means for transmitting the broadcasting payload to its coded header in the
receiving server via the broadcasting router; and

means for converting ~~a corresponding~~ the coded set of symbols of the
broadcasting payload from its coded format to form a full broadcasting
packet in the receiving server.

2. (Currently Amended) The ~~communication network~~ system of claim 1 further
comprising means in the document distribution system for reducing the broadcasting
payload of the broadcasting packet to a coded header of the broadcasting packet.

3. (Currently Amended) The ~~communication network~~ system of claim 2 further
comprising:

means for receiving the coded header of the broadcasting packet and patching the ~~corresponding~~ broadcasting payload that corresponds to the set of coded symbols in the coded header from storage ~~to form the full~~ broadcasting packet; and

means for relaying the broadcasting payload to a destination router according to its address to form the full broadcasting packet.

4. (Currently Amended). The ~~communication network~~ system of claim 3 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

5. (Currently Amended) The ~~communication network~~ system of claim 3 wherein:
said communication network is a distributed network;
said broadcasting payloads are digitized packets;
~~said document sources are packets;~~ and
said network distribution system is a network server system.

6. (Currently Amended) In a communication network with user access via a plurality of data processor controlled interactive display terminals for sending and receiving broadcasting packets, a method of distributing transmitted electronic documents for routing broadcasting packets from a sending server to a receiving server including the steps of:

storing a broadcasting payload inside a broadcasting router as a coded header by coding the broadcasting payload packet to a set of symbols temporarily;

stripping the broadcasting payload temporarily from the broadcasting packet;

replacing the broadcasting payload packet temporarily with a set of coded symbols in the broadcasting packet;

adding the coded symbol to a header of the broadcasting packet;

transmitting a coded header and a coded payload of the broadcasting packet to the receiving server via the broadcasting router; and

transmitting the broadcasting payload to its coded header in the receiving server via the broadcasting router; and

converting the coded set of symbols of the a-corresponding broadcasting payload from its coded format to form a full broadcasting packet in the receiving server.

7. (Currently Amended) The method of distributing electronic documents of claim 6 further including the step of reducing the broadcasting payload of the broadcasting packet to a coded header of the broadcasting packet.

8. (Currently Amended) The method of distributing electronic documents of claim 7 further including the steps of:

receiving the coded header of the broadcasting packet and patching the ~~corresponding~~ broadcasting payload that corresponds to the set of coded symbols in the coded header from storage to ~~form the full broadcasting~~ packet; and

relaying the broadcasting payload to a destination router

according to its address to form the full broadcasting packet.

9. (Original) The method of distributing electronic documents of claim 8 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

10. (Currently Amended) The method of distributing electronic documents of claim 8 wherein:

said communication network is a distributed network;

said broadcasting payloads are digitized packets;

~~said document sources are packets;~~ and

said network distribution system is a network server system.

11. (Currently Amended) A computer ~~program having code recorded on a computer~~ readable medium storing a computer program which when executed performs the implementation for distributing electronic documents in a communication network with user access via a plurality of data processor controlled interactive display terminals for sending and receiving broadcasting packets, said program for routing broadcasting packets from a sending server to a receiving server comprising:

means for temporarily storing a broadcasting payload inside a broadcasting router as a coded header by temporarily coding a broadcasting payload to a set of symbols;
means for temporarily stripping the broadcasting payload from the broadcasting packet;
means for temporarily replacing the stripped broadcasting packet payload with a set of coded symbols in the broadcasting packet;
means for adding the coded symbols to a header of the broadcasting packet;
means for transmitting the coded header ~~and a coded payload~~ of the broadcasting packet to the receiving server via the broadcasting router; transmitting the broadcasting payload to its coded header in the receiving server via the broadcasting router; and
means for converting a ~~corresponding~~ the coded set of symbols of the broadcasting payload from its coded format to form a full broadcasting packet in the receiving server.

12. (Currently Amended) The computer readable medium program of claim 11 further including means in the document distribution system for reducing the broadcasting payload of the broadcasting packet to a coded header of the broadcasting packet.

13. (Currently Amended) The computer readable medium program of claim 12 further including:

means for receiving the coded header of the broadcasting packet and patching the ~~corresponding~~ broadcasting payload that corresponds to the set of coded symbols in the coded header from storage to form the full broadcasting packet; and
means for relaying the broadcasting payload to a destination router according to its address to form the full broadcasting packet.

14. (Currently Amended) The computer readable medium ~~program~~ of claim 13 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

15. (Currently Amended) The computer readable medium ~~program~~ of claim 13 wherein:

- said communication network is a distributed network;
- said broadcasting payloads are digitized packets;
- ~~said document sources are packets;~~ and
- said network distribution system is a network server system.